

Aigostar 07

Aigostar Solar LED Floodlight 300W with Remote Control - User Manual

Brand: Aigostar | Model: 07

1. INTRODUCTION

Thank you for choosing the Aigostar Solar LED Floodlight 300W. This product is designed to provide efficient and reliable outdoor lighting using solar power. It features a high-efficiency solar panel, 6500K cool white LED light, and an IP66 waterproof rating, making it suitable for various outdoor environments. This manual provides essential information for safe installation, operation, and maintenance of your floodlight.

2. SAFETY INSTRUCTIONS

- Read all instructions carefully before installation and use.
- Ensure the solar panel is installed in a location that receives direct sunlight for maximum charging efficiency.
- Do not attempt to disassemble or modify the product. This may void the warranty and pose safety risks.
- Keep the product away from open flames or extreme heat sources.
- The product is rated IP66 for water and dust resistance, suitable for outdoor use. However, avoid submerging it in water.
- Operating temperature range: -10°C to 40°C. Ensure the product is used within this range.
- Handle the solar panel and floodlight with care to prevent damage.

3. PACKAGE CONTENTS

Please check the package to ensure all components are present:

- 1 x Solar LED Floodlight
- 1 x Solar Panel
- 1 x Remote Control
- Mounting Screws and Anchors
- Connection Cable (2 meters)

4. SETUP AND INSTALLATION

Follow these steps for proper installation:

1. **Choose a Location:** Select a location for the solar panel that receives maximum direct sunlight throughout the day. For the floodlight, choose an area that requires illumination, ensuring it is within 2 meters of the solar panel for cable connection.
2. **Mount the Solar Panel:** Use the provided screws and anchors to securely mount the solar panel. Adjust its angle to face the sun directly for optimal charging.
3. **Mount the Floodlight:** Securely mount the floodlight using the provided screws and anchors. The floodlight can be adjusted up to 180 degrees to direct light as needed.
4. **Connect the Cable:** Connect the 2-meter cable from the solar panel to the floodlight. Ensure the connection is secure and waterproof.

Efficient Solar Pane

Solar panel conversion rate up to 25%



Long Lifespan: 30000H

Charging time 6-8 Hours, working time about 10-12 hours

(Charge effect will be weaken if encounter the weather like cloudy or rainy days in autumn and winter)



Image: The solar panel efficiently converts sunlight into electrical energy for the floodlight.

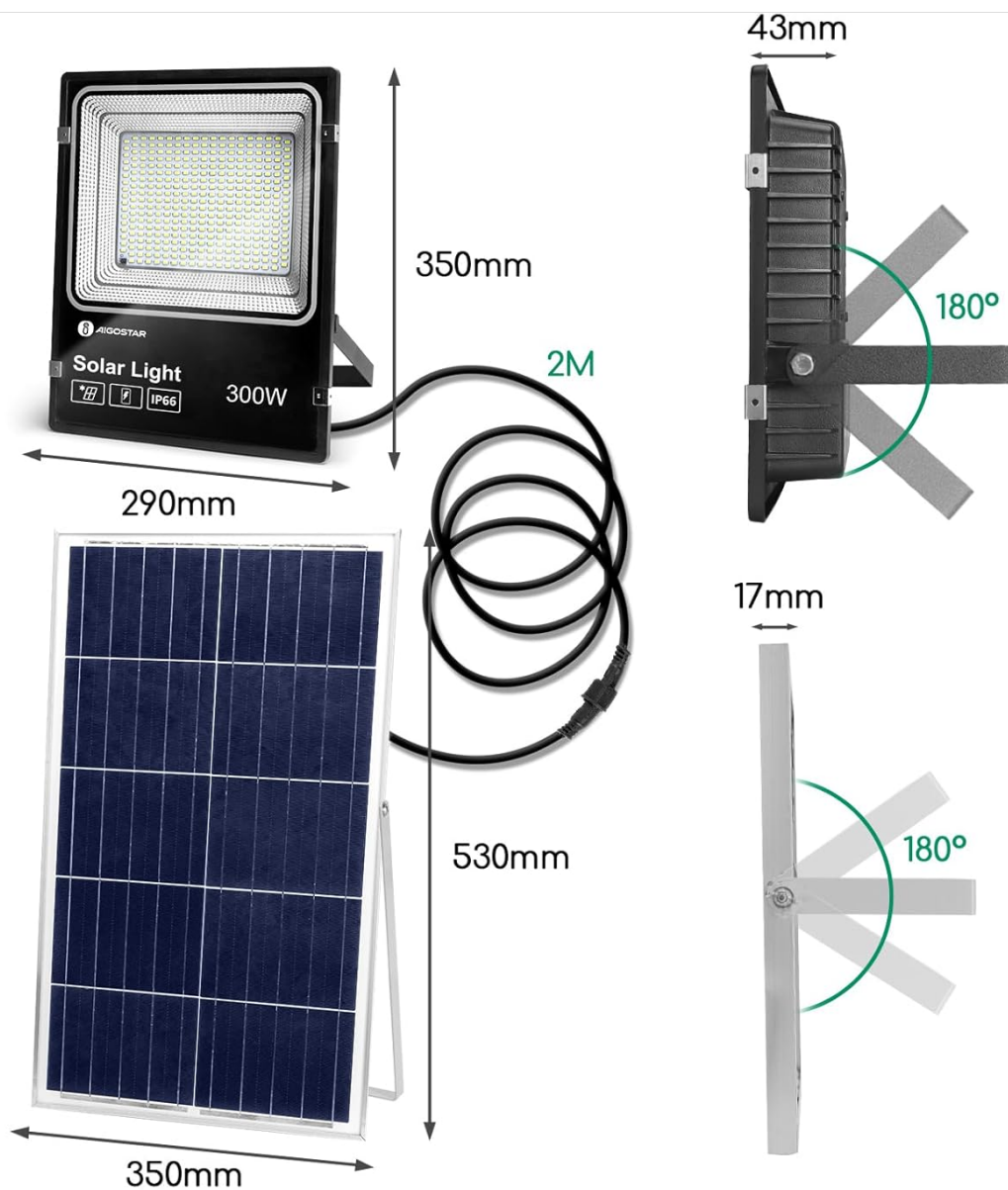


Image: The floodlight can be used for various applications, both indoors (with the solar panel outdoors) and outdoors, providing illumination without electricity bills.

5. OPERATING INSTRUCTIONS

The Aigostar Solar LED Floodlight features intelligent light control and remote operation.

Automatic Operation:

The floodlight is equipped with a dusk-to-dawn sensor. It will automatically turn on at night and turn off during the day. This function cannot be deactivated.

Remote Control Functions:

Use the provided remote control to manage the floodlight's settings. The remote control has a range of up to 10 meters.

- **ON/OFF:** Press the 'ON' button to turn the light on, and 'OFF' to turn it off.
- **Brightness Adjustment:** Use the high and low brightness buttons to adjust the light intensity.

- **Timer Function:** Set the light to turn off automatically after 2 hours (2H), 4 hours (4H), or 6 hours (6H).
- **AUTO Mode:** Activates the automatic dusk-to-dawn function.

Intelligent light control & Remote control

Remote Control :8-10M

You can set the turn-off time and adjust the brightness ;



Image: The remote control allows for manual operation and timer settings, complementing the automatic dusk-to-dawn feature.

Charging and Working Time:

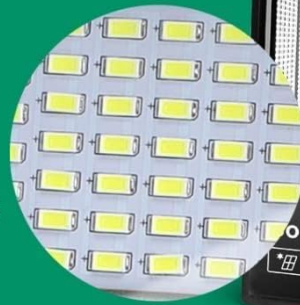
The high-efficiency photovoltaic solar panel converts up to 25% of solar energy into electricity. The built-in 25 Ah lithium-ion battery, when fully charged, allows the floodlight to operate for up to 13 consecutive hours. Charging time is typically 6-8 hours under direct sunlight. Working time is approximately 10-12 hours. Charging efficiency may be reduced on cloudy or rainy days, or during autumn and winter.



2000 Lumen



Super Bright:
358pcs Brand lamps



Color Temperature: 6500K

Lighting Angle: 120 Degree

Lighting Distance: 26-32 feet

Image: The floodlight features 358 LED chips, providing 2000 lumens of super bright 6500K cool white light with a 120-degree lighting angle and a distance of 26-32 feet.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Aigostar Solar LED Floodlight.

- **Clean the Solar Panel:** Periodically wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris that may hinder charging efficiency. Do not use abrasive cleaners.
- **Check Connections:** Ensure all cable connections remain secure and free from corrosion.
- **Inspect for Damage:** Regularly check the floodlight and solar panel for any physical damage.
- **Weather Resistance:** The IP66 rating ensures resistance to dust, wind, and water, allowing it to withstand harsh outdoor weather conditions like heavy rain and snow.

IP66 & IK04
Protection Class



Working Temperature Range: $-10^{\circ}\text{C}\sim 40^{\circ}\text{C}$
It can work at the heavy rain, snow, heat in outdoor the environment.

Image: The floodlight's IP66 and IK04 protection class ensures durability against dust, wind, and water, making it suitable for diverse weather conditions.

7. TROUBLESHOOTING

If you encounter issues with your floodlight, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on at night.	Solar panel not receiving enough sunlight. Battery not fully charged. Faulty connection.	Ensure solar panel is in direct sunlight for 6-8 hours. Check cable connection between panel and light. Allow several days for initial full charge.
Light is dim or turns off quickly.	Insufficient charging due to weather or obstruction. Battery degradation.	Clean solar panel. Relocate panel for better sun exposure. If battery is old, consider replacement (contact support).

Problem	Possible Cause	Solution
Remote control not working.	Remote battery depleted. Obstruction between remote and light.	Replace remote control batteries. Ensure clear line of sight to the floodlight's sensor.

8. PRODUCT SPECIFICATIONS

Feature	Specification
Brand	Aigostar
Model Number	07
Power Source	Solar Powered
Wattage	300W
Light Source Type	LED
Number of Light Sources	1 (358 LED chips)
Light Color	Cool White (6500K)
Brightness	2000 Lumens
Voltage	3.2 Volts
Control Method	Remote Control, Automatic (Dusk-to-Dawn)
Water Resistance Level	IP66 (Waterproof)
Material	Metal (Floodlight), Plastic (Shade)
Item Shape	Rectangular Prism
Product Dimensions (L x W x H)	36.5 x 8.5 x 56.5 cm (approximate, based on original data)
Item Weight	5.2 Kilograms
Cable Length	2 meters
Efficiency	High Efficiency (Solar panel conversion rate up to 25%)
Special Features	Energy Efficient, Timer, Waterproof
Mounting Type	Ground Mount, Outdoor Lighting Fixture Mount
Assembly Required	No
Compliant Specifications	CE



Image: Detailed dimensions of the floodlight and solar panel, along with the 2-meter cable length and 180-degree adjustable bracket.

9. WARRANTY AND SUPPORT

The Aigostar Solar LED Floodlight comes with a limited warranty. For specific warranty details, claims, or technical support, please refer to the warranty card included in your package or contact Aigostar customer service directly. For further assistance, please visit the official Aigostar website or contact their support channels.